ALTEC LANSING

D91P
HAND-HELD OMNIDIRECTIONAL DYNAMIC MICROPHONE

DESCRIPTION

The Altec D91P Hand-Held Omnidirectional Dynamic Microphone is adaptable for use in all communication systems requiring articulate voice transmission. The D91P exhibits a rising response characteristic, aiding articulation and intelligibility in the transmission of voice frequencies. The excellent performance of this microphone makes it a natural choice for all types of fixed and mobile communications including aircraft and CB applications.

A sturdy push-to-talk switch enables simultaneous operation of relays, visual indicators, etc., with the muting of the audio circuit by means of an extra set of prewired contacts. Encased in an impact-resistant plastic housing, the unit's internal components are securely mounted for maximum protection. A nickel-plated steel clip-type mounting bracket is included.

Durable, lightweight, and easy to operate, the D91P ideally suits applications requiring a quality, close-talking microphone unit.

Specifications and components subject to change without notice. Overall performance will be maintained or improved.

SPECIFICATIONS

Type:	Hand-held, close-talking, omnidirectional dynamic microphone
Frequency Response:	100-5000 Hz
Sensitivity:	−60 dBm/10 dynes/cm² *
Impedance:	200 ohms
Pickup Pattern:	Omnidirectional
Connections—	
Microphone:	2 shielded conductors
Relay Control Circuit:	2 unshielded conductors
Dimensions:	2½″ (6.4 cm) W 3⅝″ (9.2 cm) L 2″ (5.1 cm) H
Weight:	4.5 oz. (127.6 gm), less cable
Case:	Impact-resistant plastic, charcoal gray
Cable:	5½″ (10″-12″ retracted) 4-conductor (2 shielded, 2 unshielded) coil cord with neoprene jacket
Mounting Facility:	Nickel-plated, spring-steel, clip-type mounting bracket with two No. 6 sheet-metal screws 5/16″ long
Operating Temperature Range:	Up to 180°F

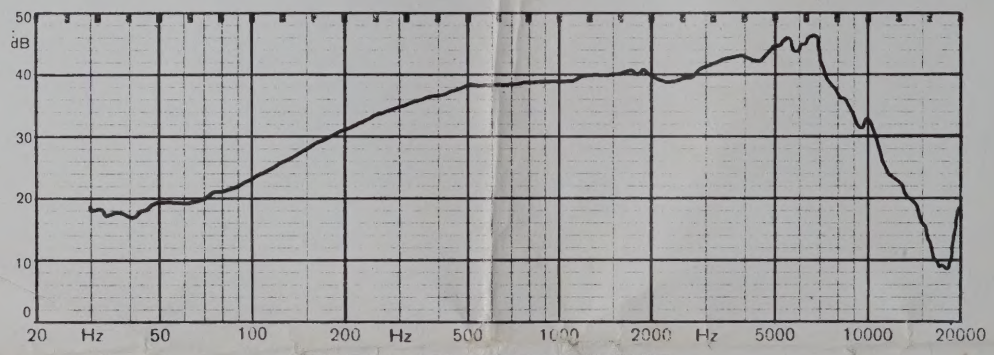

FIGURE 1. FREQUENCY RESPONSE

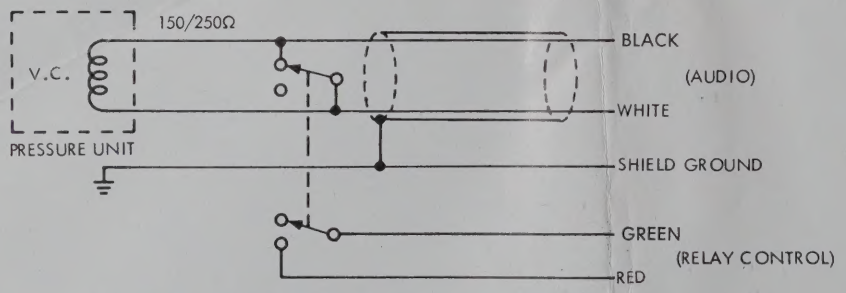

FIGURE 2. D91P MICROPHONE WIRING DIAGRAM

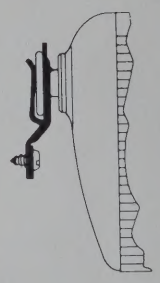

FIGURE 3. D91P MOUNTING DETAIL

ARCHITECT AND ENGINEER SPECIFICATIONS

The omnidirectional dynamic microphone shall be the hand-held, close-talking type with a push-to-talk switch that shall enable simultaneous operation of relays, visual indicators, etc., with the muting of the audio circuit by means of an extra set of prewired contacts. The microphone shall be encased in an impact-resistant housing with all internal components shock mounted for protection. The microphone shall meet the following criteria. Frequency response, from 100-5000 Hz. Sensitivity, −60 dBm/1 Pa. Impedance, 150/250 ohms. Connections, 2 shielded conductors for audio circuit, 2 unshielded conductors for relay control circuit.

The microphone shall be the ALTEC Model D91P.

*10 dynes/cm² = 1 Pascal = 10 Microbars

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ALTEC CORPORATION

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